

**FORTINET®**



# FortiAnalyzer 3000G

## QuickStart Guide

# Product Registration

Thank you for purchasing a Fortinet device. To access:

- Cloud Management
- FortiGuard Updates
- Firmware Upgrades
- Technical Support
- Warranty Coverage

Please register your Fortinet device:

Vous devez enregistrer le produit:

Debe registrar el producto:

登録のお願い:

请马上注册:

<http://support.fortinet.com>



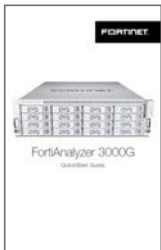
September 24, 2020

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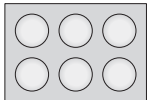
## Box Includes



FortiAnalyzer 3000G



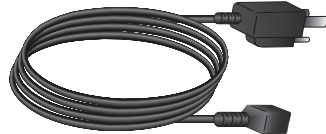
QuickStart Guide



6x Rubber Feet



1x Rail Mount Kit



2x Power Cables



1x Console Cable



1x Ethernet Cable

## Front Panel - FAZ3000G



### 1 Hard Drive Slots 1 to 16 Solid State 3.4TB



#### HDD Status

- **Red:** Hard disk error
- ⚡ **Flashing Blue:** Creating RAID
- **Blue:** Hard disk ready for use



#### HDD Activity

- **Green:** Hard disk operating normally
- ⚡ **Flashing Green:** Hard disk in use
- **Off:** No power

### 2 System Buttons and Status Indicators



#### Power On/Off Button

- ⏻ **Power On:** Short press to power on/off; long press to force shutdown
- ⏻ **Power Off:** System is off



#### Reset Button



#### ID Button press to toggle blue indicators on/off on the front and rear panels



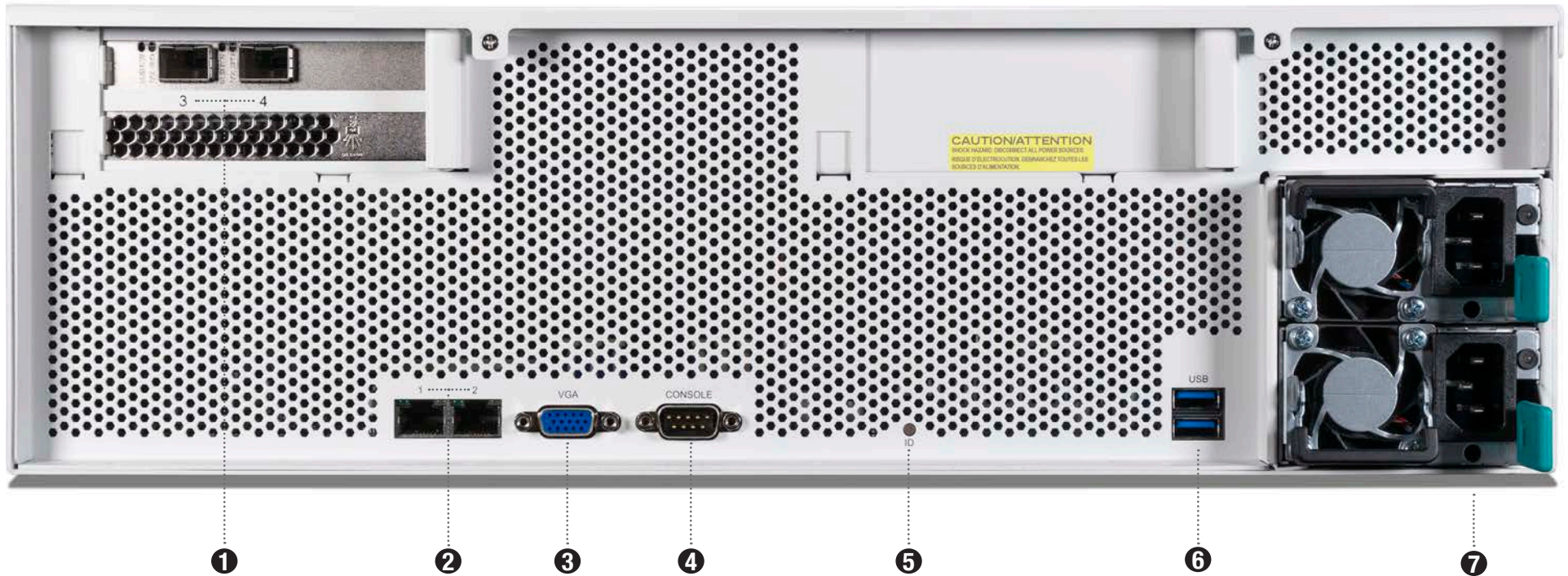
#### ID LED identifies the device in the rack



#### System Failure LED

- **On:** System error
- **Off:** System is operating normally

# Rear Panel - FAZ3000G



## 1 SFP28 Activity LED (Ports 3 & 4)

- **Green:** Link established, no activity
- **Flashing Green:** Data activity
- **Off:** No link established

## SFP28 Speed LED (Ports 3 & 4)

- **Green:** 25 Gbps speed
- **Amber:** 10 Gbps speed
- **Off:** No link established

## 5 ID Button and LED for system identification

## 6 USB 3.0 Ports (x2 USB A) available for use

## 7 Redundant Power Supplies (x2) 100-127Vac, 10A, 50-60Hz or 200-240Vac, 5A, 50-60Hz

## 2 Ethernet Activity LED (Ports 1 & 2)

- **Green:** Connected
- **Flashing Green:** Data Activity
- **Off:** No activity

## Ethernet Speed LED (Ports 1 & 2)

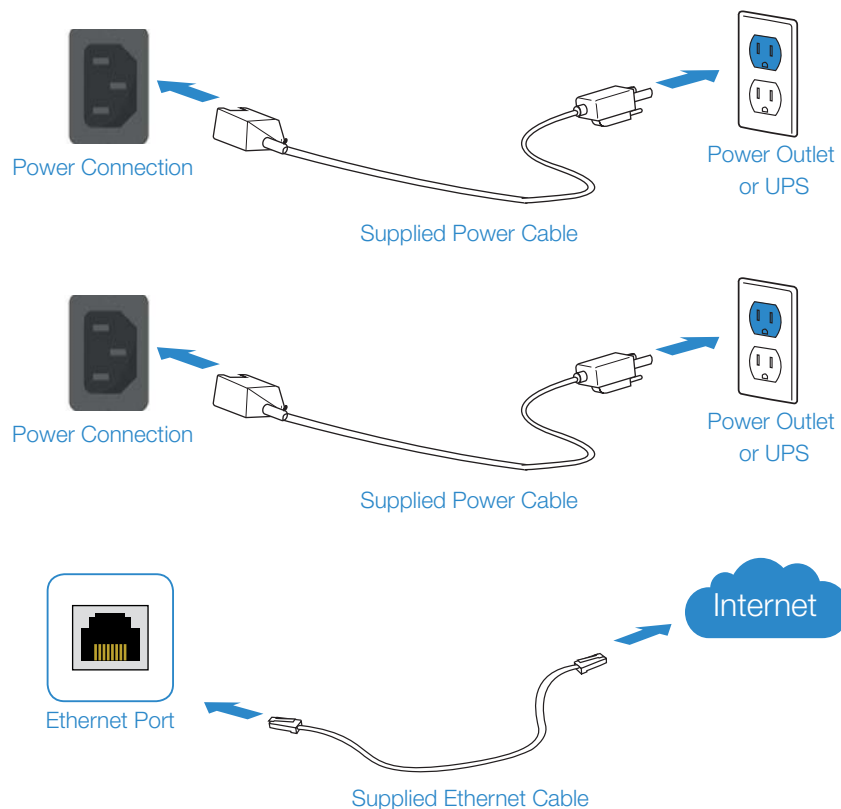
- **Green:** Connected at 1000Mbps
- **Amber:** Connected at 100Mbps
- **Off:** No link established

## 3 VGA Port (DB15) not in use

## 4 Console Port (DB9) CLI management connection, default IP 192.168.1.99

# Basic Connections

Plug in your device to a power outlet using the provided power cables and connect the Internet to any port using the provided ethernet cable.



**Note:** We recommend connecting your device to an [uninterruptible power supply \(UPS\)](#) in case of a power outage

# Setup Options

Set up your device locally using the GUI or CLI. Choose an option to complete your setup, then configure your device.



Local Setup

## A GUI

An [easy-to-use GUI](#), compatible with most web browsers. To minimize scrolling, the screen resolution should be at least 1280 x 1024 pixels.

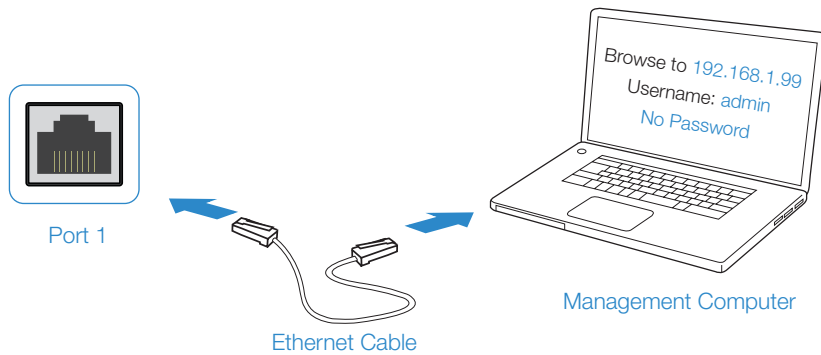


Local Setup

## B Command Line Interface (CLI)

An alternate configuration tool from the web-based manager that uses a [terminal emulation](#) application to [type commands](#) or upload batches of commands from a text file or [configuration script](#).

## A GUI

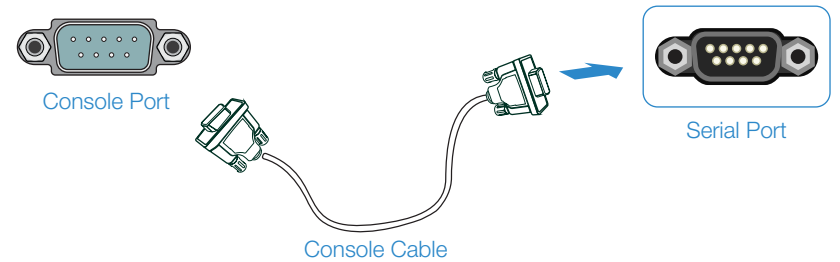


1. Connect **Port 1** to the **Management Computer** using the supplied **Ethernet cable**
2. Enable **DHCP** or set the Management Computer's **IP** and **subnet** to:

**Static IP Address:** 192.168.1.1  
**Subnet Mask:** 255.255.255.0

3. Visit 192.168.1.99 in a web browser
4. Log in with username **admin** and **no password**
5. You can now configure your device

## B CLI



1. Connect the **Console Port** with a **console cable** to the **Serial Port** on the **Management Computer**
2. Start a **terminal program** on the **Management Computer** and select an available **COM Port** using the following default settings:

**Baud rate:** 9600  
**Data bits:** 8  
**Parity:** None  
**Stop bits:** 1  
**Flow control:** None

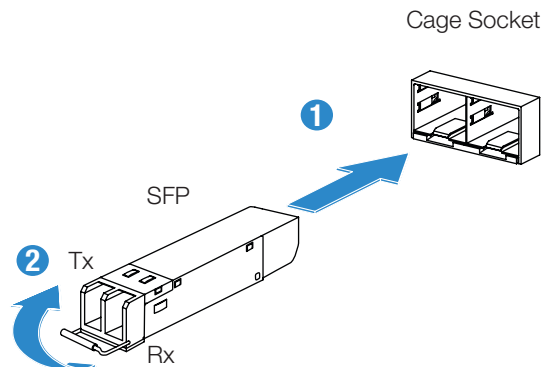
3. Log in using username **admin** and **no password**
4. You can now configure your device



# SFP Transceivers

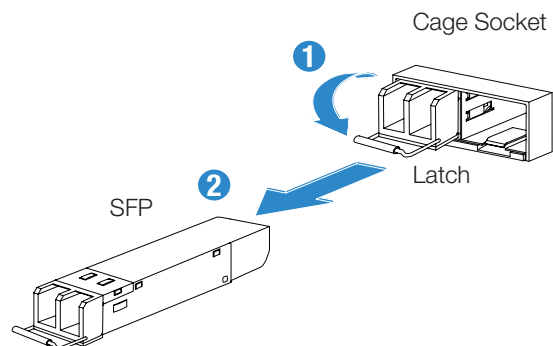
To install the SFP transceivers:

1. Slide the SFP into the cage socket until it clicks into place
2. Lift the latch to lock the SFP



To remove the SFP transceivers:

1. Lower the latch to unlock the SFP
2. Pull the SFP out of the cage socket carefully

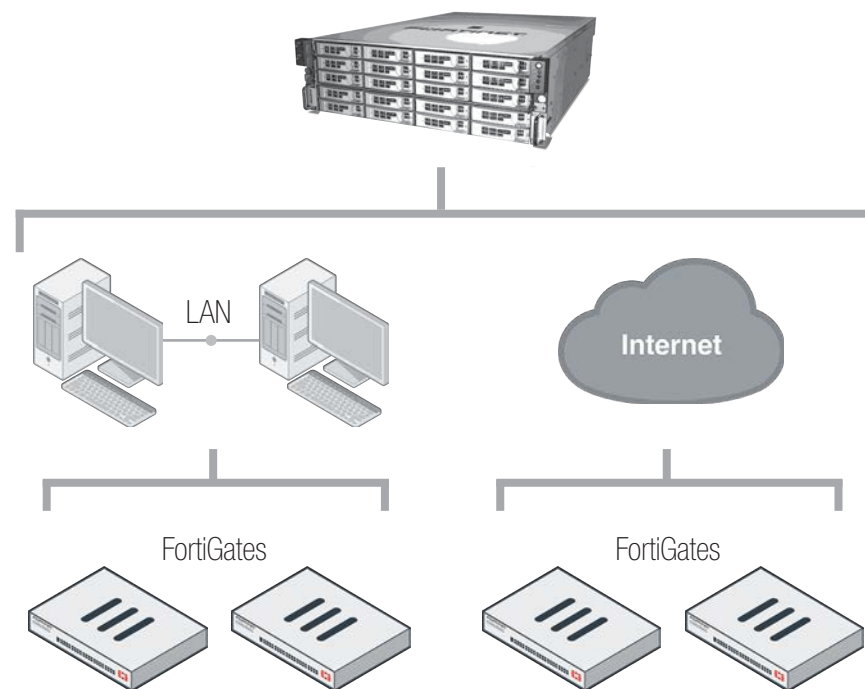


# Deployment Setup

FortiAnalyzer can run in two operation modes: Analyzer and Collector. The default mode is Analyzer. For more information, see the FortiAnalyzer Admin Guide at [docs.fortinet.com](https://docs.fortinet.com)

## Analyzer Mode

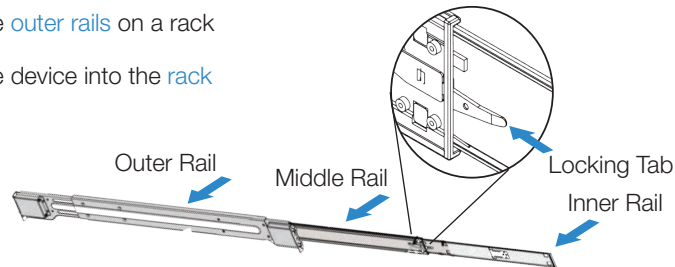
FortiAnalyzer-3000G



# Rail Installation

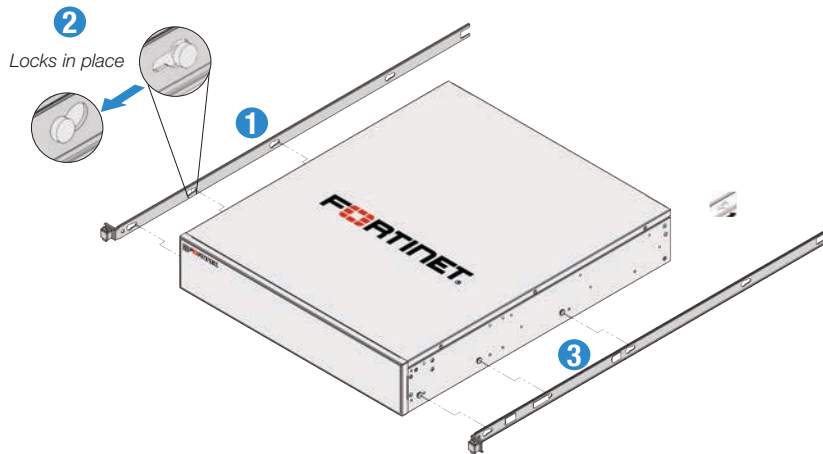
Follow three steps to install the device into the rack:

- A. Attach the **inner rails** to the device
- B. Install the **outer rails** on a rack
- C. Install the device into the **rack**



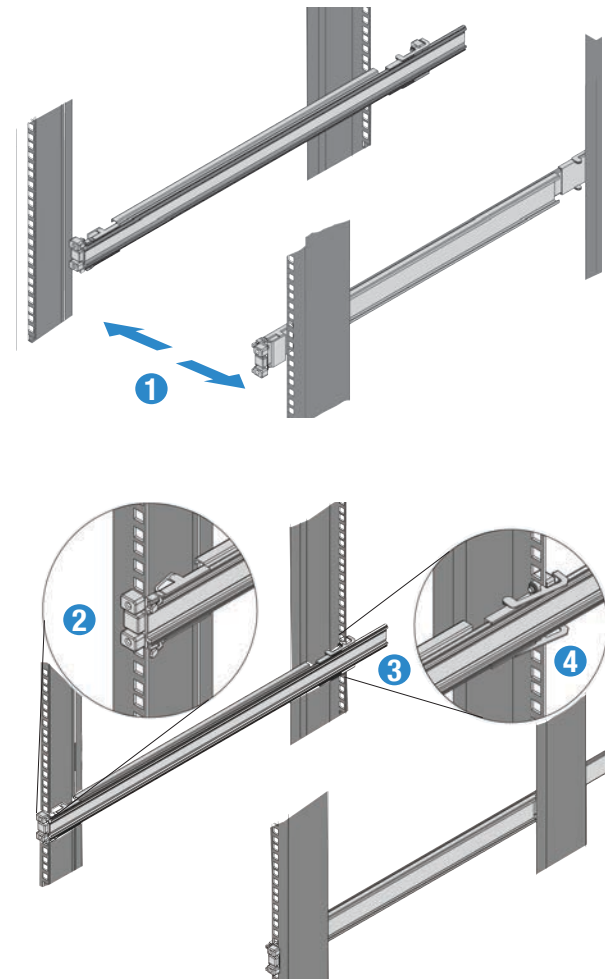
## A. Attach the inner rails

1. Place the inner rail against the side of the device, ensuring that the hooks on the side of the device **align with the holes** in the rail.
2. Slide the rail towards the front of the device until the **inner rail metal clip** clicks into the locked position.
3. Repeat steps 1 - 2 for the remaining rail.



## B. Attach the outer rails

1. **Align** the front of the **outer rail** with the front of the rack.
2. Push the **mounting pins** into the **rack post** holes.
3. **Pull out** the back of the **outer rail** to **adjust its length** until it fits in the rack.
4. Ensure the rail is level, then push the rear **mounting pins** into the **post holes**.
5. Pull the securing plate over the rack post and **close** to **lock the pins** in place.
6. Repeat steps 1 - 5 for the second rail, **ensuring** that it is at the **same height**.



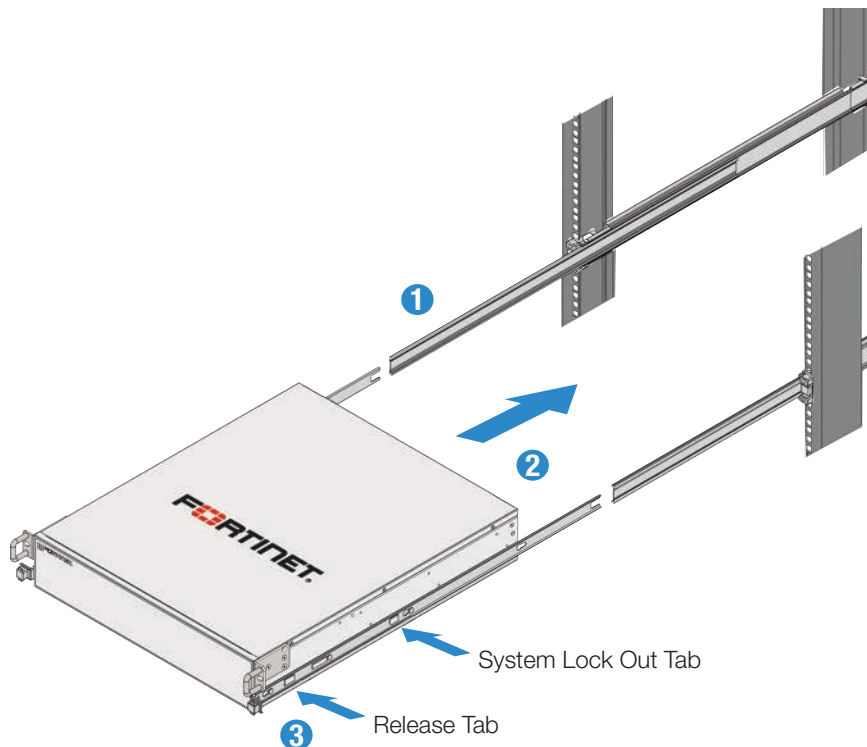
**Note:** Please see the following video for visual instructions:  
<https://video.fortinet.com/latest/rack-mount-sliding-rail-installation>



## C. Install the device

Before installing the device, ensure the inner rails are properly connected to the device and the outer rails are level and securely attached to the rack.

1. Pull the **middle rails out** from the front of the outer rails until they **lock into place**.
2. Align the inner rails with the middle rails and **slide the device** onto the rails until the **system lock out tabs** on the inner rails clicks into the front of the middle rails. Apply even pressure to both sides of the device while doing this.
3. Slide the **release tabs** forward on both inner rails at the same time and **push the device** all the way into the rack. When the unit has been completely pushed into the rack, the **system release buttons** will click into the locked position.



## Cautions and Warnings

### Environmental Specifications

Ambient operating temperature: 0°C to 40°C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:  
Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

**Elevated Operating Ambient** - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T<sub>ma</sub>) specified by the manufacturer.

**Température ambiante élevée** - S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (T<sub>ma</sub>) stipulée par le fabricant.

**Reduced Air Flow** - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.  
**Ventilation réduite** - Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

**Mechanical Loading** - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.  
**Chargement Mécanique** - Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas liée à un chargement mécanique inégal.

**Circuit Overloading** - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

**Surtenstion** - Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

**Reliable Earthing** - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

**Fiabilité de la mise à la terre** - Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)  
Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

### Safety

**Moving parts** - Hazardous moving parts. Keep away from moving fan blades.

**Pièces mobiles** - Pièces mobiles dangereuses. Se tenir éloigné des lames mobiles du ventilateur.

**Warning:** Equipment intended for installation in Restricted Access Location.

**Avertissement:** Le matériel est conçu pour être installé dans un endroit où l'accès est restreint.

**Battery** - Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. **IMPORTANT:** Switzerland: Annex 4.10 of SR814.013 applies to batteries.

**Batterie** - Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. **IMPORTANT:** Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

**警告**  
本電池如果更換不正確會有爆炸的危險  
請依製造商說明書處理用過之電池

**CAUTION:** Shock Hazard. Disconnect all power sources.

**ATTENTION:** Risque d'électrocution. Débranchez toutes les sources d'alimentation.

**Caution:** Slide/rail mounted equipment is not to be used as a shelf or a work space.

**Attention:** Un équipement monté sur bâti ne doit pas être utilisé sur une étagère ou dans un espace de travail.

**Caution:** Do not pick up the server by the **front handles**. They are designed to only pull the unit from the rack.

# Regulatory Compliance

## Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

**WARNING:** Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

## Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

## European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



## Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

## Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法 (PSE) の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

## Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:  
限用物質含有情況表 (RoHS Table) 請到以下 網址下載:  
<https://www.fortinet.com/bsmi>

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6. Limited Warranty.  
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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy. For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable. It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute. 7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things: a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above. b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work. 8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance. 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it. 10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License. 11. As a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library. If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

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